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| Notice of Allowability | Application No. | Applicant(s) |
| | 10/008,286 | PARRY, TRAVIS J. |
| | Examiner | Art Unit |
| | Joseph P. Hirl | 2121 |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to November 8, 2001.
2. ☒ The allowed claim(s) is/are 1-21.
3. ☒ The drawings filed on 08 November 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413), Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 20041101 | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

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Reasons for Allowance

1. Claims 1-21 are allowed.
2. The following is an examiner's statement of reasons for allowance:

The cited prior art taken alone or in combination fails to teach the claims invention of tracking printer functional usage, quantitatively establishing frequency of usage of printer functions and through a web server embedded in the printer, accessing training packages related to the usage histogram and presenting such training packages to the user of the printer.

The closest prior art (Gross et al, U.S. Patent 5,555,346) teaches an event-driven rule-based messaging system that is conditional, action-invoking paradigm or "triplet" which facilitates definition of a repertoire of events considered to be significant events upon which to trigger actions in a system such as an electronic mail, messaging system. Gross does not teach a frequency of usage to access the related rule (training package) and cannot offer such training package to the user of the related printer. An alternative prior art (Uner, U.S. Pub. 2002/0184303) teaches an embedded web server capable of managing dynamic content delivery of data stream, audio stream, or video stream. Uner does not teach analysis of the parent system necessary to make the training package recommendation. Another alternative prior art (Howard et al, U.S. Patent 6,601,086) teaches a service provider for providing data, applications and services to embedded devices and for facilitating control and monitoring of embedded devices. In this case, Howard does not teach analysis of printer data required to formulate the histogram that allows printer training package recommendation. Further

alternative prior art (Venkatraman et al, U.S. Patent 5,956,487; common assignee but published more than one year from the applicant's filing date) teaches embedding web access mechanism in an appliance for user interface functions including a web server and web browser. Venkatraman teaches user interface functions but does not teach analysis of user operations that permit recommendations for a specific printer training package. Consequently, the claimed invention improves the usefulness of the subject printer by offering a tailored training program that can improve the user's ability to use the subject printer.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Correspondence Information

3. Any inquiry concerning this information or related to the subject disclosure should be directed to the Examiner, Joseph P. Hirl, whose telephone number is (571) 272-3685. The Examiner can be reached on Monday – Thursday from 6:00 a.m. to 4:30 p.m.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Anthony Knight can be reached at (571) 272-3687.

Any response to this office action should be mailed to:

Commissioner of Patents and Trademarks,

Washington, D. C. 20231;

or faxed to:

(571) 273-3685 (for formal communications intended for entry with notation of
"Formal Entry");

or faxed to:

(571) 273-3685 (for informal or draft communications with notation of
"Proposed" or "Draft" for the desk of the Examiner).



Joseph P. Hirl

November 1, 2004



Anthony Knight
Supervisory Patent Examiner
Group 3600